








**PROCESS FOR THE MANUFACTURE OF 1,1,1,3,3-PENTAFLUOROPROPANE****Publication number:** WO9601797**Publication date:** 1996-01-25**Inventor:** VANDERPUY MICHAEL; THENAPPAN ALAGAPPAN**Applicant:** ALLIED SIGNAL INC (US)**Classification:****- International:** B01J27/10; B01J27/12; C07B61/00; C07C17/20;  
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C07C19/08**- european:** C07C17/20D4; C07C17/23; C07C17/278; C07C19/08**Application number:** WO1995US08404 19950705**Priority number(s):** US19940273553 19940711**Also published as:** E P0770048 (A1)  
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**Cited documents:** E P0522639  
 W O9504021**Report a data error here****Abstract of WO9601797**

This invention is related to the preparation of hydrofluorocarbons (HFCs). Specifically, it relates to the fluorination of a compound of the formula:  $\text{CF}_y\text{Cl}_3-\text{yCH}_2\text{CHFwCl}_2-\text{w}$  wherein  $w = 0$  or  $1$ , and  $y = 0 - 3$ , with hydrogen fluoride in the presence of a fluorination catalyst under conditions sufficient to produce a compound of the formula:  $\text{CF}_3\text{CH}_2\text{CF}_2\text{H}$ .  $\text{CF}_3\text{CH}_2\text{CF}_2\text{H}$  or HFC 245fa may be used as a blowing agent, a propellant, and a heat transfer agent.

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